

Commonwealth of Massachusetts
Department of Telecommunications and Energy
Fitchburg Gas and Electric Light Company
Docket Nos. D.T.E. 02-24/25
Responses to the Department's Sixth Set of Information Requests

Request No. DTE 6-39 (Gas):

Refer to Exh. FGE-MHC-1, at 28 and Sch. MHC-7-1. Please explain how the Company's weather normalization process led to a \$44,937 increase in operating revenues along with a (\$2,553) decrease to purchased gas?

Response:

The weather for the test year was warmer than normal and the computed revenue adjustment, excluding gas revenues, to the volumetric portion of rates is \$32,384. See JLH-8, Workpapers Supporting Schedule 2 and 3, Pages 21 to 42. The \$32,384 adjustment is shown on Page 42, Line 21.

The weather adjustment to the demand portion of the G-43 and G-53 rates for warmer than normal weather is \$15,106. See Attachment DTE 6-39 (Gas).

The total of these two revenue adjustments which exclude gas revenues is \$47,490. See MHC-7-1, Line 6.

The purchased gas weather normalization adjustment was a net decrease to gas costs of \$2,553. This was primarily due to the high gas costs during the months of February and March which had colder than normal weather. See JLH-8, Workpapers Supporting JLH-2 and 3, Pages 51 to 56, and MHC-7-1, Line 5.

The total of these two adjustments to revenues of \$47,490 and \$<2,553> equals the \$44,937 increase in operating revenues. See MHC-7-1, Line 4.

See also response to DTE-1-38 and DTE-1-59.

Person Responsible: James L. Harrison

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Fitchburg Gas and Electric Light Company
Sales and Demand Model
Billed Demands - Actual & Weather Normalized

| | November | December | January | February | March | April | May | June | July | August | September | October | TOTAL |
|---|-------------|-------------|-------------|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|--------------|--------------|
| BILLED DEMAND CCF | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | 6,042.01 | 7,063.74 | 12,938.66 | 9,045.73 | 8,456.84 | 6,975.73 | 6,641.18 | 6,641.18 | 6,361.84 | 6,642.23 | 6,713.54 | 90,163.86 | |
| G-53 GS Large Hi Sales | 577.25 | 324.75 | 6,138.51 | 6,411.71 | 5,632.35 | 3,505.67 | 313.74 | 1,070.32 | 680.66 | 656.93 | 660.01 | 31,930.12 | |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | 5,635.61 | 7,826.14 | 8,126.97 | 12,613 | 7,294.57 | 6,823.39 | 6,671.58 | 11,340 | 2,401 | 18,944.13 | 7,973.90 | 7,973.90 | 99,077.51 |
| G-53 GS Large Low Tr | 13,932 | 10,696 | 13,343.14 | 12,472 | | | | | | 13,504 | 13,209 | 14,493 | 144,141.02 |
| BILLED DEMAND REV | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | \$7,492.08 | \$8,759.04 | \$16,043.95 | \$11,216.71 | \$10,486.49 | \$8,649.90 | \$8,235.06 | \$8,235.06 | \$7,886.68 | \$8,236.36 | \$8,324.79 | \$111,803.18 | |
| G-53 GS Large Hi Sales | \$1,056.37 | \$594.29 | \$10,902.64 | \$11,233.47 | \$11,733.44 | \$10,307.20 | \$6,415.39 | \$574.14 | \$1,959.60 | \$1,245.61 | \$1,202.19 | \$1,207.82 | \$58,432.16 |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | \$6,988.17 | \$9,704.42 | \$7,265.80 | \$10,077.43 | \$9,045.27 | \$8,461.01 | \$8,272.76 | \$20,752.52 | \$22,128.13 | \$23,490.73 | \$9,887.64 | \$9,887.64 | \$122,856.14 |
| G-53 GS Large Low Tr | \$25,986.99 | \$19,574.17 | \$24,477.95 | \$23,082.37 | \$22,824.33 | | | | | \$34,393.97 | \$24,712.96 | \$26,521.35 | \$263,778.07 |
| WEATHER NORMALIZED BILLED DEMAND CCF | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | 8,755.81 | 9,763.11 | 11,980.03 | 8,402.72 | 7,619.55 | 5,443.43 | 6,705.69 | 5,417.64 | 6,361.84 | 6,642.23 | 9,625.88 | 93,359.12 | |
| G-53 GS Large Hi Sales | 577.25 | 324.75 | 5,934.56 | 6,135.98 | 5,958.28 | 5,487.81 | 3,943.27 | 3,943.27 | 988.73 | 680.66 | 656.93 | 660.01 | 31,656.39 |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | 7,921.65 | 10,716.51 | 5,423.61 | 7,554.40 | 6,608.43 | 5,427.05 | 6,733.41 | 12,092 | 11,316 | 18,944.13 | 7,973.90 | 8,426.67 | 11,124.20 |
| G-53 GS Large Low Tr | 14,419 | 11,275 | 13,317 | 12,612 | 12,134 | | | | 2,398 | 13,504 | 13,209 | 14,493 | 145,461.05 |
| WEATHER NORMALIZED BILLED DEMAND REV | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | \$10,857.19 | \$12,106.26 | \$14,855.25 | \$10,419.38 | \$9,448.25 | \$6,749.85 | \$8,315.05 | \$6,717.87 | \$563.91 | \$8,235.06 | \$7,886.68 | \$8,236.36 | \$119,36.09 |
| G-53 GS Large Hi Sales | \$1,056.37 | \$594.29 | \$10,860.26 | \$11,228.87 | \$10,903.66 | \$10,042.69 | \$7,216.20 | | \$1,809.37 | \$1,245.61 | \$1,202.19 | \$1,207.82 | \$57,931.24 |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | \$9,822.86 | \$13,288.48 | \$6,725.27 | \$9,357.45 | \$8,194.45 | \$6,729.55 | \$8,349.42 | \$23,490.73 | \$22,128.13 | \$10,449.08 | \$11,986.81 | \$13,794.01 | \$132,985.75 |
| G-53 GS Large Low Tr | \$29,385.97 | \$20,634.11 | \$24,370.32 | \$23,079.27 | \$22,206.02 | | | | | \$4,388.02 | \$24,712.96 | \$26,521.35 | \$26,885.90 |

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Fitchburg Gas and Electric Light Company
Sales and Demand Model
Billed Demands - Weather Normalization Adjustment

| | November 2001 | December 2001 | January 2001 | February 2001 | March 2001 | April 2001 | May 2001 | June 2001 | July 2001 | August 2001 | September 2001 | October 2001 | TOTAL |
|--------------------------|------------------|------------------|-----------------|------------------|---------------|---------------|-------------|--------------|--------------|----------------|-------------------|-----------------|-------------|
| BILLED DEMAND CCF | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | 2,714 | 2,699 | (959) | (643) | (837) | (1,532) | 65 | (1,224) | - | - | - | 2,912 | 3,195.26 |
| G-53 GS Large Hi Sales | - | - | (23) | (3) | (453) | (145) | 438 | (6) | (82) | - | - | - | (273.73) |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | 2,286 | 2,890 | (436) | (573) | (686) | (1,396) | 62 | - | - | 453 | 1,693 | 3,150 | 7,443.23 |
| G-53 GS Large Low Tr | 437 | 579 | (26) | (2) | (338) | (24) | - | (3) | - | - | - | 697 | 1,320.03 |
| TOT BILLED DEM ADJ | 5,436 | 6,169 | (1,444) | (1,220) | (2,315) | (3,097) | 564 | (1,232) | (82) | 453 | 1,693 | 6,760 | 11,685 |
| BILLED DEMAND REV | | | | | | | | | | | | | |
| SALES | | | | | | | | | | | | | |
| G-43 GS Large Hi Sales | \$3,365.11 | \$3,347.22 | -\$1,188.70 | -\$797.33 | -\$1,038.24 | -\$1,900.05 | \$79.99 | -\$1,517.19 | \$0.00 | \$0.00 | \$0.00 | \$3,611.30 | \$3,962.11 |
| G-53 GS Large Hi Sales | \$0.00 | \$0.00 | -\$42.38 | -\$4.60 | -\$829.78 | -\$264.51 | \$800.81 | -\$10.23 | -\$10.23 | -\$10.23 | -\$10.23 | \$0.00 | -\$500.92 |
| TRANSPORTATION | | | | | | | | | | | | | |
| G-43 GS Large Low Tr | \$2,834.69 | \$3,584.06 | -\$540.53 | -\$709.98 | -\$850.82 | -\$1,731.46 | \$76.67 | \$0.00 | \$0.00 | \$561.44 | \$2,099.17 | \$3,906.37 | \$6,229.61 |
| G-53 GS Large Low Tr | \$798.98 | \$1,059.94 | -\$47.63 | -\$3.10 | -\$618.31 | -\$43.68 | \$0.00 | -\$5.95 | -\$5.95 | \$0.00 | \$0.00 | \$1,275.41 | \$2,415.66 |
| TOT BILLED DEM ADJ | \$6,998.78 | \$7,991.22 | -\$1,819.24 | -\$1,515.02 | -\$3,337.14 | -\$3,939.69 | \$957.47 | -\$1,533.37 | -\$1,533.37 | -\$1,533.37 | -\$1,533.37 | \$2,099.17 | \$8,793.08 |
| | | | | | | | | | | | | | \$15,106.46 |